

Spurious rejection ratio:

Image frequency: greater than 34 db down.

Spurious frequencies: greater than 60 db down.

Intermediate frequency: greater than 90 db down.

Power output:	<u>Deviation</u>	<u>Power Output</u>
	15 Kc/s	6 milliwatts

Transmitter

Power output: 300 milliwatts

POWER REQUIREMENTS

3Y1001058 Battery, dry, 90/45, 3/1.5v.

BA-289/U

Quantity ..... 1

POWER CONSUMPTION

<u>Receive</u>	<u>Transmit</u>
A Battery - 1.5 v at 550 MA	A Battery - 1.5 v at 850 MA
B <sup>1</sup> Battery - 45 v at 12 MA	B <sup>1</sup> Battery - 45 v at 8 MA
B <sup>2</sup> Battery - 90 v at 3 MA	B <sup>2</sup> Battery - 90 v at 30 MA

AERIAL SYSTEM

A 4-ft whip antenna and a 4-ft length of wire which may be used as a trailing wire antenna or counterpoise is supplied. Provision is made for the use of a homing antenna which is issued separately upon request.

SET TYPES

Six different types of sets (A, B, C, D, E, F) are available. They differ only in their frequency assignments. Each type may be identified by a coloured disc located on the side of the front panel. The disc colour indicates the type of set, and may be changed if the set is changed from one type to another in the field by changing the crystal bank. The colours assigned to the various types of set A to F are respectively red, blue, green, yellow, black and orange. A cable assembly special purpose, electrical CCX5/CPRC-26 is available on special request for adapting battery leads, so that the battery can be carried inside operators' clothing to prevent freezing. A table showing the types and their operating frequencies in megacycles is shown below:



<u>TYPE</u>	<u>CHAN 1</u>	<u>CHAN 2</u>	<u>CHAN 3</u>	<u>CHAN 4</u>	<u>CHAN 5</u>	<u>CHAN 6</u>
A	50.0	50.2	51.6	51.8	52.0	52.2
B	50.0	50.4	50.6	50.8	51.0	51.2
C	50.0	50.4	50.6	50.8	51.0	51.4
D	50.0	50.2	50.4	50.6	50.8	51.0
E	50.0	52.4	52.6	52.8	53.0	53.2
F	50.0	53.4	53.6	53.8	54.0	54.2

TUBES, Electron

<u>Type</u>	<u>Circuit Reference</u>	<u>Quantity</u>	<u>Function</u>
1AD4	V3	1	Reactance modulator
1AD4	V7	1	RF amplifier
1AD4	V5	1	AFC amplifier
1AD4	V4	1	Crystal oscillator
5672	V6	1	Audio amplifier
5678	V8	1	Mixer
5678	V9	4	IF amplifiers
5678	V10	1	Limiter
3B4	V1	1	Power amplifier
3B4	V2	1	Master oscillator

END

HQC 6001 - Radio set/1

TD 33

CSPB 4959